

Fig. 1

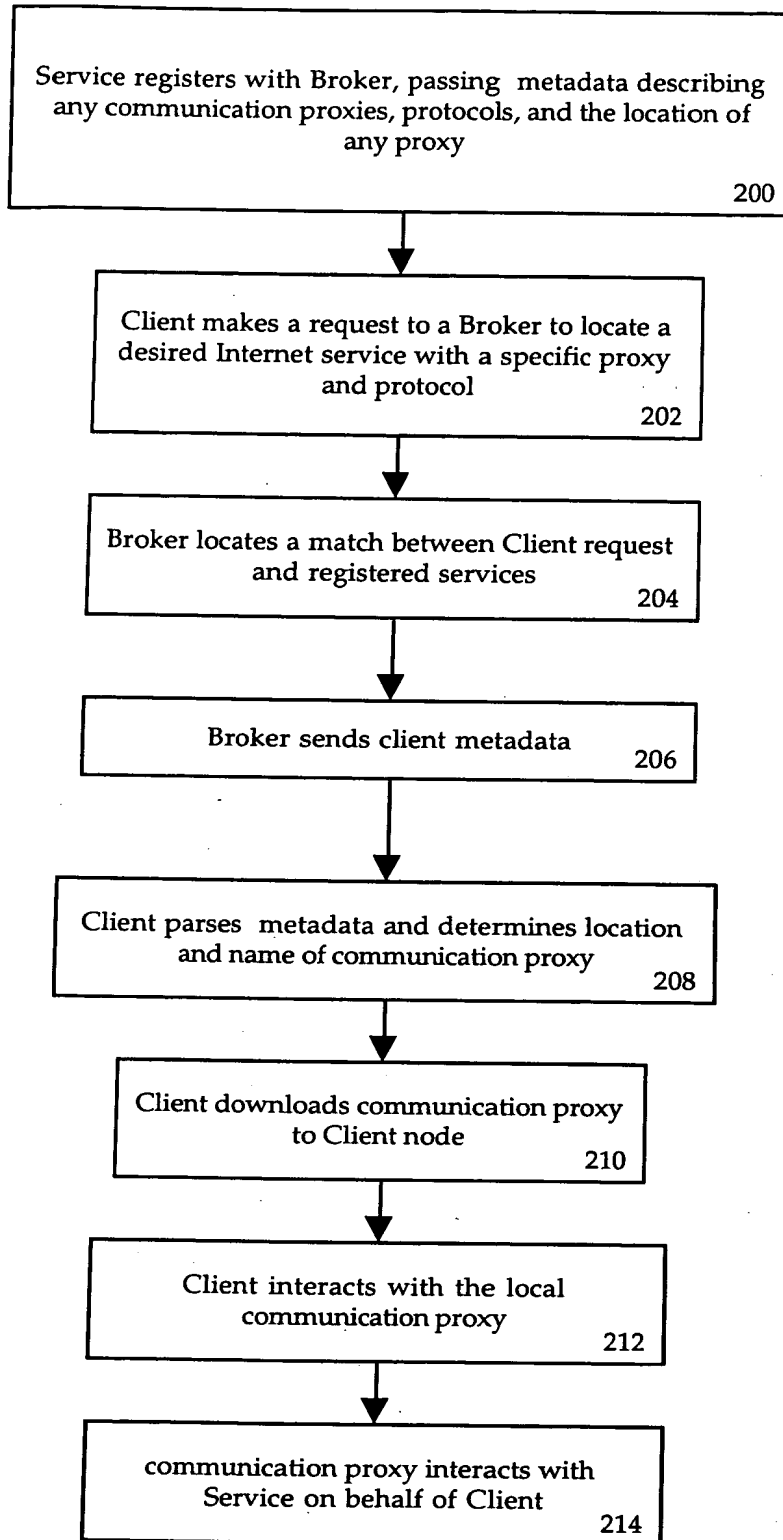
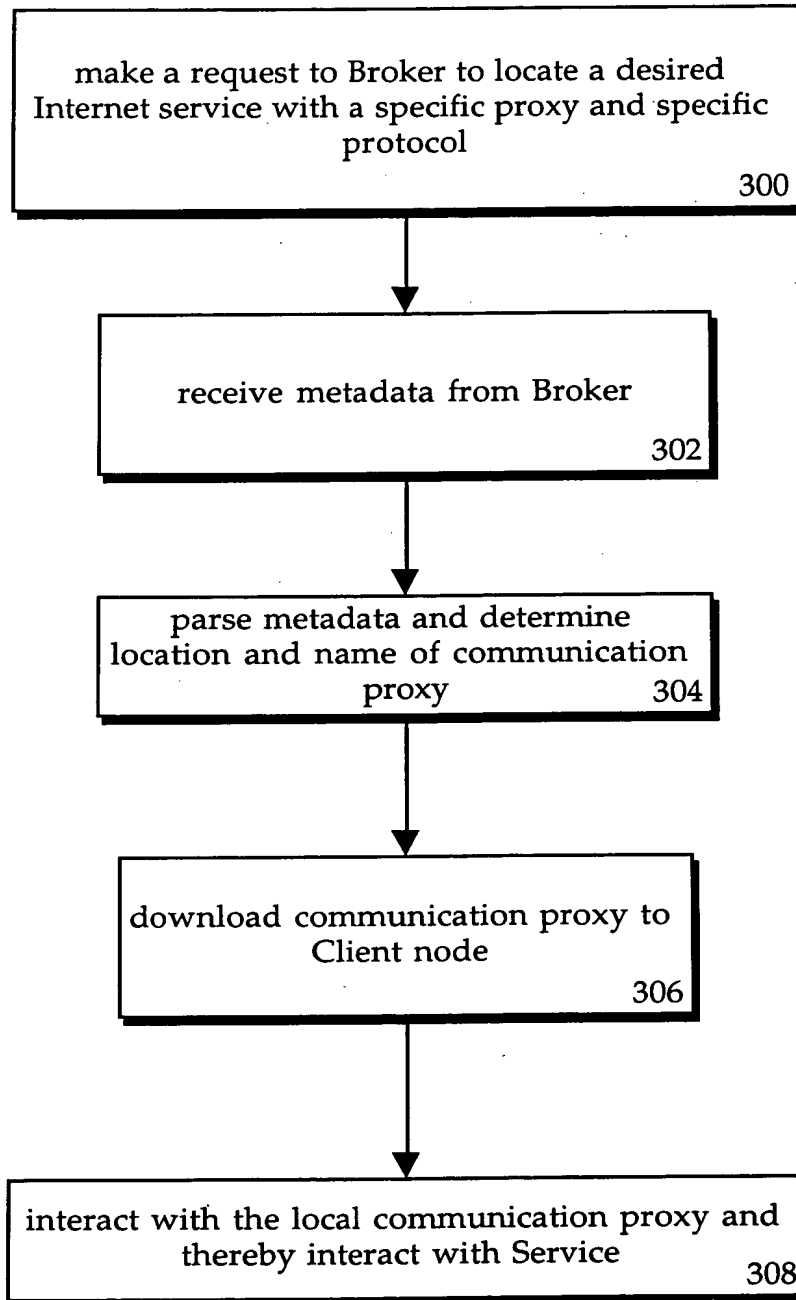


Fig. 2



**Fig. 3**

receive a registration from a service including metadata describing  
any communication proxies, protocols, and location of any proxy

400

receive a request from a client to locate a  
desired Internet service with a specific proxy  
and a specific protocol

402

Locate a match between  
Client request and registered  
Services

404

send metadata to Client

406

Fig. 4

send registration to a broker including metadata describing service,  
any communication proxies supporting various protocols, and  
location of any proxy

500



interact with Client by interacting with a  
communication proxy, the communication  
proxy being on the same node as Client

502

Fig. 5